

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTORS:	Ladden et al.	GROUP ART UNIT:	2419
APPLN. NO.:	10/670,063	EXAMINER:	Zhu, Bo Hui Alvin
FILED:	September 23, 2003	Confirmation No.:	5118
TITLE:	Distributed Automatically-Configuring Switching System		

REPLY TO OFFICE ACTION

This reply is being filed electronically

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

This communication is responsive to the Office Action mailed September 28, 2009 concerning the above-identified application and is timely filed within the three month shortened statutory period for a response. This reply is provided in response to the Office Action in accordance with 37 CFR § 1.116. Applicant submits the following remarks, and respectfully requests the Examiner to reconsider the rejections made in the Office Action and to allow the claims to issue.

A copy of the **Pending Claims** begins on page 2 of this paper.

Remarks begin on page 6 of this paper.

Amendments to the Claims

This listing of claims supersedes all prior listing of claims.

1. (Previously Presented) A method for providing distributed switching of data among a plurality of source modules and a plurality of destination modules, the method comprising:
 - receiving, by a source module of the plurality of source modules, data to be transferred;
 - broadcasting, by the source module, the data to each destination module of a plurality of destination modules via a data link associated with each destination module and an inbound time slot of a plurality of inbound time slots;
 - receiving, by each destination module of the plurality of destination modules, the data;
 - selecting, by a controller uncoupled from the data link, a destination module of the plurality of destination modules to process the data, wherein the destination module is selected without employing the data link;
 - identifying, by the controller to the selected destination module, the inbound time slot of the plurality of inbound time slots; and
 - processing, by only the selected destination module, the broadcast data based on the identified time slot.
2. (Original) The method of claim 1, further comprising:
 - determining a source module of the plurality of source modules that receives the data;and
 - determining an inbound time slot of a plurality of inbound time slots in which the source module will broadcast the data.
3. (Original) The method of claim 2, wherein determining an inbound time slot comprises determining an inbound time slot of a plurality of inbound time slots in which the source module will broadcast the data based on a time slot in which the source module receives the data.

4. (Original) The method of claim 2, wherein the source module and the inbound time slot are determined in response to a set up of a call.
5. (Original) The method of claim 1, wherein the plurality of source modules and the plurality of destination modules are implemented in a transcoder.
6. (Original) The method of claim 5, wherein each source module of the plurality of source modules comprises an interface board, each destination module of the plurality of destination modules comprises a voice processing function, and the data comprises voice data.
7. (Original) The method of claim 1, further comprising:
 - allocating an outbound time slot for use in transferring outbound data from the selected destination module to the source module;
 - tagging the data to produce tagged data;
 - embedding, by the selected destination module, the tagged data in the allocated outbound time slot; and
 - transferring the tagged data to the source module in the allocated outbound time slot.
8. (Original) The method of claim 7, further comprising:
 - receiving the tagged data by the source module;
 - determining, by the source module and based on the tag, that the data in the allocated outbound time slot is to be forwarded;
 - forwarding the data by the source module.
9. (Previously Presented) A distributed switching system comprising:
 - a plurality of source modules, wherein each source module of the plurality of source modules is coupled by a data link of a plurality of data links to each destination module of a plurality of destination modules and wherein each source module, upon receiving data from a data source, broadcasts the data via a data link of the plurality of data links and an associated time slot to each destination module of the plurality of destination modules;

a controller, uncoupled from the data link, coupled to each destination module of the plurality of destination modules, wherein the controller, in response to a set up of a call, selects a destination module of the plurality of destination modules for a processing of call data and conveys to the selected destination module information concerning a data link and a time slot via which the call data will be broadcast; and

the plurality of destination modules, wherein each destination module of the plurality of destination modules receives the broadcast data and wherein only the selected destination module of the plurality of destination modules processes the data, based on the information concerning the time slot via which the call data will be broadcast.

10. (Original) The switching system of claim 9, wherein the selected destination module processes the broadcast data based on the time slot and data link information provided by the call controller.

11. (Original) The switching system of claim 9, wherein the call controller further determines a source module of the plurality of source modules that receives data coming into the switching system and determines a time slot of a plurality of time slots in which the source module will broadcast the received data.

12. (Original) The switching system of claim 11, wherein the call controller determines a time slot of a plurality of time slots in which the source module will broadcast the received data based on a time slot in which the source module receives the data.

13. (Original) The switching system of claim 9, wherein the switching system is implemented in a transcoder.

14. (Original) The switching system of claim 13, wherein each source module of the plurality of source modules comprises an interface board and each destination module of the plurality of destination modules comprises a voice processing function.

15. (Original) The switching system of claim 9, wherein the call controller further determines the data link and informs the destination module of the designated data link.
16. (Previously Presented) The switching system of claim 15, wherein the call controller determines the data link and further determines the time slot in response to the set up of a call.
17. (Original) The switching system of claim 9, wherein the call controller further allocates at least one an outbound time slot, for use in transferring outbound data from the selected destination module to the source module.
18. (Original) The switching system of claim 17, wherein the selected destination module further tags data to produce tagged data, embeds the tagged data in the allocated outbound time slot, and transfers the tagged data to the source module in the allocated outbound time slot.
19. (Original) The switching system of claim 18, wherein the source module further receives the tagged data, determines, based on the tag, that the data in the allocated outbound time slot is to be forwarded, and forwards the data in the allocated outbound time slot.
20. (Cancelled)
21. (Cancelled)
22. (Cancelled)
23. (Cancelled)
24. (Cancelled)

REMARKSClaim Changes

Claims 20-24 have been cancelled without prejudice or disclaimer.

No amendment made is related to the statutory requirements of patentability unless expressly stated herein. No amendment is made for the purpose of narrowing the scope of any claim, unless Applicant had argued herein that such amendment is made to distinguish over a particular reference or combination of references. Any remarks made herein with respect to a given claim or amendment is intended only in the context of that specific claim or amendment, and should not be applied to other claims, amendments, or aspects of Applicant's invention.

Acknowledgement of Allowable Subject Matter

Applicant acknowledges the allowability of claims 1-19 and requests a timely Notice of Allowance be issued in this case.

Rejection under 35 U.S.C. § 112, first paragraph

Claims 20-24 stand rejected under 35 U.S.C. § 112, first paragraph, as allegedly failing to be enabled/supported by the specification. Claims 20-24 have been cancelled without prejudice to allow the remaining claims 1-19 to be in a form to be issued. Accordingly, Applicant respectfully requests the rejection be withdrawn.

Rejection under 35 U.S.C. § 112, second paragraph

The Office Action rejected claims 20 and 23 under 35 U.S.C. §112, second paragraph. As mentioned above, claims 20 and 23 have been cancelled without prejudice to allow the remaining claims 1-19 to be in a form to be issued. Accordingly, Applicant respectfully requests the rejection be withdrawn.

Rejection of claims 20-22 under 35 U.S.C. § 103(a) as being unpatentable over US 4,760,570 (Acampora) in view of US 5,475,679 (Munter), and in further view of US 4,392,222 (Ando)

Applicant has cancelled the claims 20-22 to allow the remaining claims 1-19 to be in a form to be issued. Accordingly, Applicant respectfully requests withdrawal of the rejection of claim 20-22 under 35 U.S.C 103(a) and further requests that a timely Notice of Allowance be issued in this case

Rejection of claims 23 and 24 under 35 U.S.C. § 103(a) as being unpatentable over US 4,392,222 (Ando) in view of US 4,760,570 (Acampora)

Since Applicant has cancelled the claims 23 and 24 to allow the remaining claims 1-19 to be in a form to be issued, the Applicant respectfully requests withdrawal of the rejection of claim 23 and 24 under 35 U.S.C 103(a) and further requests that a timely Notice of Allowance be issued in this case

Conclusion

Applicant respectfully requests that a timely Notice of Allowance be issued in this case. Such action is earnestly solicited by Applicant. Should the Examiner have any questions, comments, or suggestions, the Examiner is invited to contact Applicant's attorney at the telephone number indicated below.

Please charge any fees that may be due to Deposit Account 502117, Motorola, Inc.

Respectfully submitted,

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